

WHAT IS CLAIMED IS:

1. A fire assembly adapted to be installed into a floor-ceiling assembly, said fire assembly comprising:

5 a recessed light fixture comprising a lamp capable of distributing light;

10 a housing substantially enclosing said recessed light fixture such that said housing and said recessed light fixture form an integral structure, said housing comprising at least one generally fire-resistant material, wherein said fire assembly is configured to be positioned above a surface opening defined by said floor-ceiling assembly such that said housing is in substantial continuation with said floor-ceiling assembly.

15 2. A fire assembly as defined in claim 1, wherein said floor-ceiling assembly has a fire rating, and wherein said housing is capable of substantially maintaining said fire rating after installation.

20 3. A fire assembly as defined in claim 1, wherein said housing comprises a cube-shaped box, said cube-shaped box comprising a plurality of generally fire-resistant walls.

25 4. A fire assembly as defined in claim 3, wherein said cube-shaped box further comprises a bottom wall, said bottom wall defining a bottom wall opening such that said bottom wall opening substantially corresponds to said surface opening when positioned thereabove.

30 5. A fire assembly as defined in claim 1, wherein said at least one generally fire resistant material is selected from the group consisting of dry

wall, plaster, and combinations thereof.

6. A fire assembly as defined in claim 1,
wherein said housing further comprises a support
structure, said support structure comprising an
5 aluminum housing.

7. A fire assembly as defined in claim 3,
wherein at least one of said generally fire resistant
walls comprises more than one layer.

8. A fire assembly as defined in claim 7,
10 wherein at least one of said layers comprises
aluminum.

9. A fire assembly as defined in claim 7,
wherein at least one of said layers comprises dry
wall.

15 10. A fire assembly as defined in claim 1,
further comprising a support structure, said support
structure being connected to said housing and said
recessed light fixture such that said housing, said
recessed light fixture, and said support structure
form said integral structure.

20 11. A fire assembly as defined in claim 10,
wherein said support structure is mechanically affixed
to said housing and said recessed light fixture.

25 12. A fire assembly as defined in claim 1,
further comprising a junction box, said junction box
being placed in electrical communication with said
lamp of said recessed lighting fixture.

30 13. A fire assembly as defined in claim 12,
further comprising at least one conduit extending from
said junction box, said at least one conduit being
capable of electrically coupling said recessed light
fixture to at least one other light fixture.

14. A fire assembly as defined in claim 13,
wherein said junction box is contained within said
housing, said at least one conduit extending from said
junction box through a hole defined by a wall of said
housing such that said at least one conduit is capable
of electrically coupling said recessed light fixture
to at least one other light fixture.

15. A fire assembly as defined in claim 4,
wherein said bottom wall comprises a portion extending
beyond the intersection of said bottom wall and one of
said plurality of side walls, said portion having an
upper and lower surface and wherein said junction box
is positioned on said upper surface of said portion.

16. A fire assembly as defined in claim 4,
wherein a gasket is positioned between said bottom
wall and said structural surface, said gasket
comprising a gasket opening corresponding to said
bottom wall opening and said surface opening.

17. A fire assembly as defined in claim 3,
wherein one of said plurality of generally fire-
resistant walls includes a door.

18. A fire assembly as defined in claim 1,
~~further comprising an attachment structure connected
to said fire assembly, said attachment structure being
configured to attach said fire assembly to said floor-
ceiling assembly.~~

19. A fire assembly as defined in claim 18,
wherein said attachment structure comprises a bar
hanger.

20. A fire assembly adapted to be installed into
a floor-ceiling assembly, said fire assembly
comprising:

a recessed light fixture comprising a lamp capable of distributing light;

5 a generally fire-resistant housing substantially enclosing said recessed light fixture such that said generally fire-resistant housing and said recessed light fixture form an integral structure, said generally fire-resistant housing comprising a plurality of side walls and a top wall, said plurality of side walls and said top wall
10 comprising at least one generally fire-resistant material, wherein said fire assembly is configured to be positioned above a surface opening defined by said floor-ceiling assembly such that said generally fire-resistant housing is in substantial continuation with said floor-ceiling assembly; and

15 a support structure positioned in between said recessed light fixture and said generally fire resistant housing.

20 *SJ* 21. A fire assembly as defined in claim 20, wherein said generally fire-resistant housing further comprises a bottom wall, said bottom wall defining a bottom wall opening such that said bottom wall opening substantially corresponds to said surface opening when positioned thereabove.

25 22. A fire assembly as defined in claim 20, wherein at least one of said plurality of side walls comprises a material selected from the group consisting of dry wall, plaster, and combinations thereof.

30 23. A fire assembly as defined in claim 20, wherein said support structure comprises an aluminum housing.

24. A fire assembly as defined in claim 20, wherein said at least one generally fire resistant material is selected from the group consisting of dry wall, plaster, and combinations thereof.

5 *SAC* 25. A fire assembly as defined in claim 20, further comprising at least one conduit extending from a junction box through a hole defined by one of said walls of said fire-resistant housing, said at least one conduit being capable of electrically coupling 10 said recessed light fixture to at least one other light fixture.

26. A fire assembly as defined in claim 20, wherein one of said plurality of side walls includes a door.

15 27. A fire assembly adapted to be installed into a floor-ceiling assembly, said fire assembly comprising:

a recessed light fixture comprising a lamp capable of distributing light;

20 a support structure connected to said recessed light fixture; and

25 a generally fire-resistant housing substantially enclosing said recessed light fixture and connected to said support structure such that said generally fire-resistant housing, said support structure, and said recessed light fixture form an integral structure, said generally fire-resistant housing comprising a plurality of side walls, a top wall, and a bottom wall, said plurality of side walls and said top wall comprising at least one generally fire-resistant material, wherein said fire assembly is 30 configured to be positioned above a surface opening

defined by said floor-ceiling assembly such that said generally fire-resistant housing is in substantial continuation with said floor-ceiling assembly, said bottom wall of said generally fire resistant housing defining a bottom wall opening such that said lamp of said recessed light fixture can distribute light through said bottom wall opening and said surface opening when positioned thereabove.

28. A fire assembly as defined in claim 27,
10 wherein said at least one generally fire resistant material is selected from the group consisting of dry wall, plaster, and combinations thereof.

29. A fire assembly as defined in claim 27,
15 wherein said bottom wall comprises a material selected from the group consisting of dry wall, plaster, and combinations thereof.

30. A fire assembly as defined in claim 27,
20 wherein said support structure comprises an aluminum housing.

31. A fire assembly as defined in claim 27,
25 wherein said support structure comprises a metal enclosure.

32. A fire assembly as defined in claim 27,
wherein a gasket is positioned between said bottom
25 wall and said structural surface, said gasket comprising a gasket opening corresponding to said bottom wall opening and said surface opening.

33. A fire assembly as defined in claim 27,
30 wherein one of said plurality of side walls includes a door.

34. A fire assembly adapted to be installed into a floor-ceiling assembly, said fire assembly

comprising:

an enclosed housing made from a generally fire resistant material, said housing defining an opening, said housing having a shape configured to receive a recessed light fixture therein, said opening of said enclosed housing being configured to mate with a corresponding surface opening defined by a floor-ceiling assembly such that said housing is in substantial continuation with said floor-ceiling assembly and wherein, once said fire assembly is installed, said floor-ceiling assembly has a fire rating at least equal to the fire rating of an identical floor-ceiling assembly not containing the fire assembly.

35. A fire assembly as defined in claim 34, wherein said enclosed housing is made from a material consisting the group consisting of drywall, plaster and combinations thereof.

36. A fire assembly as defined in claim 34, wherein said enclosed housing is in the shape of a box.

37. A fire assembly as defined in claim 34, wherein said enclosed housing has a cylindrical shape.

38. A fire assembly as defined in claim 34, further comprising a support structure connected to the interior surfaces of said enclosed housing.

39. A fire assembly as defined in claim 38, wherein said support structure comprises an aluminum housing.

40. A fire assembly as defined in claim 34, further comprising an attachment structure connected to said enclosed housing, said attachment structure

being configured to attach said enclosed housing to
said floor-ceiling assembly.

41. A fire assembly as defined in claim 40,
wherein said attachment structure comprises a bar
hanger.

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